

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) An isolated protein ~~of the following (a) or (b):~~  
(a) ~~a protein comprising[[:]] an amino acid sequence represented by SEQ ID NO: 1[[:]]~~  
(b) ~~a protein comprising an amino acid sequence derived from the amino acid sequence of SEQ ID NO: 1 by deletion, substitution, addition, or insertion of one or several amino acid residues, and having GDP-4-keto-6-deoxy-D-mannose-3,5-epimerase-4-reductase activity.~~
2. (Currently Amended) An isolated DNA encoding a protein ~~of the following (a) or (b):~~  
(a) ~~a protein comprising[[:]] an amino acid sequence represented by SEQ ID NO: 1 [[:]]~~  
(b) ~~a protein comprising an amino acid sequence derived from the amino acid sequence of SEQ ID NO: 1 by deletion, substitution, addition or insertion of one or several amino acid residues, and having GDP-4-keto-6-deoxy-D-mannose-3,5-epimerase-4-reductase activity.~~
3. (Currently Amended) The isolated DNA of claim 2 which comprises a nucleotide sequence represented by SEQ ID NO: 2.
4. (Original) An expression vector which comprises the DNA of claim 2 or 3.
5. (Original) A transformant which is transformed with the expression vector of claim 4.
6. (Original) A process for producing GDP-4-keto-6-deoxy-D-mannose-3, 5-epimerase-4-reductase, which comprises culturing the transformant of claim 5 in a medium and collecting GDP-4-keto-6-deoxy-D-mannose-3, 5-epimerase-4-reductase from the obtained culture.

7. (Original) A transformant which is transformed with the expression vector of claim 4 and an expression vector comprising DNA encoding GDP-D-mannose-4, 6-dehydratase.
8. (Original) A process for converting GDP-D-mannose into GDP-L-fucose using the transformant of claim 7.
9. (Original) A process for producing GDP-L-fucose which comprises culturing the transformant of claim 7 together with GDP-D-mannose in a medium, and collecting GDP-L-fucose from the obtained culture.